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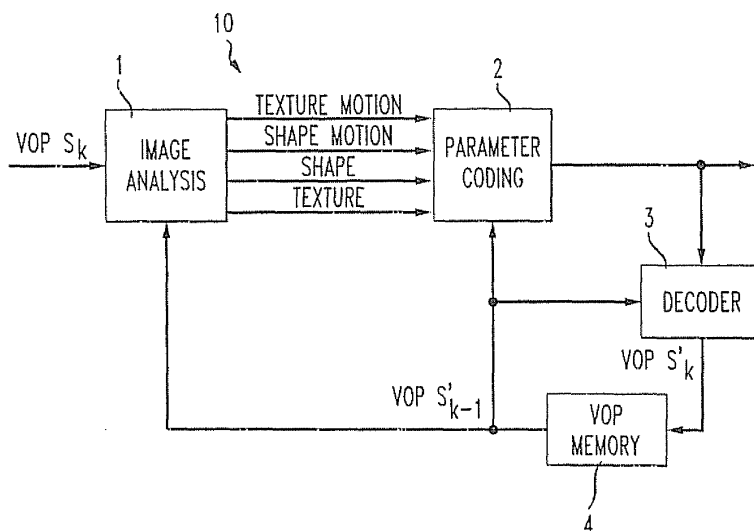
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(54) Method and apparatus for encoding video shape and texture information

(57) The present invention concerns an encoding apparatus comprising: an image analysis module that generates shape, texture and motion information from image data representing at least a video object; a parameter coding module that adjusts texture information generated by the image analysis module based on original shape information from the image analysis module and encodes the adjusted texture information and shape and motion information; a decoding module that decodes encoded texture, shape and motion information from the parameter coding module; and a memory

that stores decoded data from the decoding module. Further, the invention relates to a method of encoding texture information for a video object, the method comprising: performing image analysis to create a bounding shape for a current video object plane S_k (VOP S_k); estimating texture and shape motion parameters for the VOP S_k ; predictively encoding the texture and shape motion parameters with respect to a reference VOP S'_{k-1} ; transmitting and decoding the encoded texture and shape motion parameters; and storing a new reference VOP in memory.

FIG. 1





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Y	* page 17, paragraph 3.1; figure 3 * * page 19, paragraph 3.2; figure 5 * * page 20, paragraph 3.2.3 - page 22 * * page 23, paragraph 3.2.4.3 * * page 25, paragraph 3.2.5.2.1 - paragraph 3.2.5.2.2 * * page 29, paragraph 3.2.6 * * page 33, paragraph 3.2.7 - page 37; figure 16 * * page 34, paragraph 3.2.7.2 - page 36; figures 17,18 * * page 38, paragraph 3.3 - page 40; figure 19 * * page 51, paragraph 3.4 - page 52, paragraph 3.4.1 * * page 54, paragraph 3.4.4 - page 55, paragraph 3.4.4.1 * * page 118, paragraph 4.5.1 - page 122 * * page 154, paragraph 4.9 - page 160 * * page 169, paragraph 5; figure 66 * * page 230 - page 231; table 72 * * page 232, paragraph 14.1.1 - page 236, paragraph 14.1.2 * ----- -/--	8-10	TECHNICAL FIELDS SEARCHED (Int.Cl.6) H04N
The present search report has been drawn up for all claims			
Place of search Berlin		Date of completion of the search 31 August 2005	Examiner Gauthier, J-C
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3
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3
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3
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